

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date  
10 February 2005 (10.02.2005)

PCT

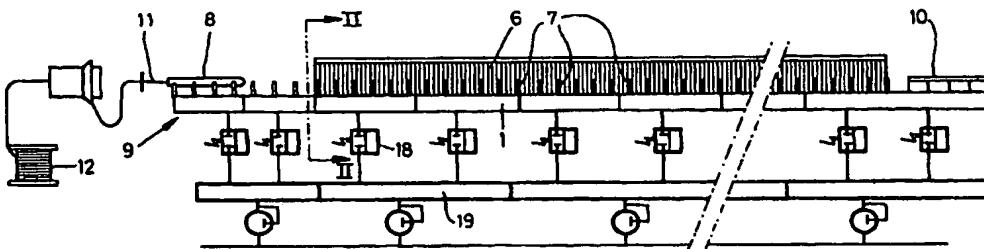
(10) International Publication Number  
**WO 2005/012610 A1**

- (51) International Patent Classification<sup>7</sup>: D03D 47/28, 47/24, 49/42, 49/50
- (21) International Application Number: PCT/NL.2004/000477
- (22) International Filing Date: 2 July 2004 (02.07.2004)
- (25) Filing Language: Dutch
- (26) Publication Language: English
- (30) Priority Data:  
1023943 17 July 2003 (17.07.2003) NL
- (71) Applicant (for all designated States except US): TE STRAKE TEXTILE B.V. [NL/NL]; Dr. H. van Doorneweg 26, NL-5753 PM Deurne (NL).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): GORRIS, Joannes, Josephus, Henricus, Marie [NL/NL]; St. Eligiuspad 3, NL-5645 EG Eindhoven (NL). HIEMSTRA, Hendrik [NL/NL]; Wolfsklaauw 14, NL-5734 NL Deurne (NL). PUSSANT, Patrick [BE/BE]; Bochtenstraat 35a, B-9270 Laarne (BE).
- (74) Agents: DOHmen, Johannes, Maria, Gerardus et al.; Algemeen Octrooi- en Merkenbureau, P.O. Box 645, NL-5600 AP Eindhoven (NL).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AL, AG, AI, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, CZ, CA, CH, CN, CO, CR, CU, CY, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GI, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PI, PL, PT, RO, RU, SC, SD, SB, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SI, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:  
— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: WEAVING DEVICE



WO 2005/012610 A1

(57) Abstract: The invention relates to a weaving device comprising means for forming a shed consisting of warp yarns, with insertion means being disposed on one side or on both sides of the shed for inserting a weft yarn into the shed. The object of the invention is to provide a weaving device as referred to in the introduction, which weaving device is of significantly simplified construction and which is much simpler to control. According to the invention, the weaving device is to that end characterized in that the weft yarn has been formed into a packed clew, which packed clew unwinds into an elongated weft yarn upon insertion into the shed. These aspects obviate the need to use a projectile having a high inert mass and the related insertion means and braking means for moving and decelerating the movement of the projectile through the shed, resulting in a weaving device of significantly simplified construction, which is much simpler to control and which can be operated at a much higher rate.